

RECEIVED
JUN 17 2003
TECH CENTER 1600/290



1600

ENTERED

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/826,519

DATE: 06/10/2003
TIME: 07:41:49

Input Set : A:\52456-8017.US01.txt

Output Set: N:\CRF4\06102003\I826519.raw

#151
Law
Sg.

```

3 <110> APPLICANT: Innis, Michael A.
4   Reinhard, Christoph J.
5   Zuckermann, Ronald N.
7 <120> TITLE OF INVENTION: Chimeric antisense oligonucleotides and cell
8   transfecting formulations thereof
10 <130> FILE REFERENCE: 52456-8017.US01
12 <140> CURRENT APPLICATION NUMBER: US 09/826,519
13 <141> CURRENT FILING DATE: 2001-04-03
15 <150> PRIOR APPLICATION NUMBER: US 09/648,254
16 <151> PRIOR FILING DATE: 2000-08-25
18 <150> PRIOR APPLICATION NUMBER: US 60/151,246
19 <151> PRIOR FILING DATE: 1999-08-27
21 <160> NUMBER OF SEQ ID NOS: 24
23 <170> SOFTWARE: PatentIn Ver. 2.1
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 25
27 <212> TYPE: DNA
28 <213> ORGANISM: Artificial Sequence
30 <220> FEATURE:
31 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
32   oligonucleotide
34 <400> SEQUENCE: 1
35 ccatagtgcg gttgcatctg gtgcc                25
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 25
40 <212> TYPE: DNA
41 <213> ORGANISM: Artificial Sequence
43 <220> FEATURE:
44 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
45   oligonucleotide
47 <400> SEQUENCE: 2
48 gttcccttgc caaggagttt gagat                25
51 <210> SEQ ID NO: 3
52 <211> LENGTH: 25
53 <212> TYPE: DNA
54 <213> ORGANISM: Artificial Sequence
56 <220> FEATURE:
57 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
58   oligonucleotide
60 <400> SEQUENCE: 3
61 cccagagccg atggtccgat catgt                25
64 <210> SEQ ID NO: 4
65 <211> LENGTH: 25

```

RAW SEQUENCE LISTING

DATE: 06/10/2003

PATENT APPLICATION: US/09/826,519

TIME: 07:41:49

Input Set : A:\52456-8017.US01.txt

Output Set: N:\CRF4\06102003\I826519.raw

66 <212> TYPE: DNA
67 <213> ORGANISM: Artificial Sequence
69 <220> FEATURE:
70 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
71 oligonucleotide
73 <400> SEQUENCE: 4
74 gaccacttc cctgaaaatc cgaaa 25
77 <210> SEQ ID NO: 5
78 <211> LENGTH: 24
79 <212> TYPE: DNA
80 <213> ORGANISM: Artificial Sequence
82 <220> FEATURE:
83 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
84 oligonucleotide
86 <400> SEQUENCE: 5
87 cggcgttttc cttccctac aagc 24
90 <210> SEQ ID NO: 6
91 <211> LENGTH: 25
92 <212> TYPE: DNA
93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
96 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
97 oligonucleotide
99 <400> SEQUENCE: 6
100 agcggcagaa gttgaggtat gttga 25
103 <210> SEQ ID NO: 7
104 <211> LENGTH: 25
105 <212> TYPE: DNA
106 <213> ORGANISM: Artificial Sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
110 oligonucleotide
112 <400> SEQUENCE: 7
113 cctgccagta tgaagttggg aagcg 25
116 <210> SEQ ID NO: 8
117 <211> LENGTH: 25
118 <212> TYPE: DNA
119 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
122 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
123 oligonucleotide
125 <400> SEQUENCE: 8
126 gcgaagtccg tctgttcctg tttga 25
129 <210> SEQ ID NO: 9
130 <211> LENGTH: 25
131 <212> TYPE: DNA
132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic

RAW SEQUENCE LISTING

DATE: 06/10/2003

PATENT APPLICATION: US/09/826,519

TIME: 07:41:49

Input Set : A:\52456-8017.US01.txt

Output Set: N:\CRF4\06102003\I826519.raw

```

136     oligonucleotide
138 <400> SEQUENCE: 9
139 tcttcctcac agaccttcgg gcaag                25
142 <210> SEQ ID NO: 10
143 <211> LENGTH: 24
144 <212> TYPE: DNA
145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
149     oligonucleotide
151 <400> SEQUENCE: 10
152 tgctgatagt cggtgcggat gtcg                24
155 <210> SEQ ID NO: 11
156 <211> LENGTH: 25
157 <212> TYPE: DNA
158 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
162     oligonucleotide
164 <400> SEQUENCE: 11
165 gtgtttgttc agggttccat ttcgg                25
168 <210> SEQ ID NO: 12
169 <211> LENGTH: 25
170 <212> TYPE: DNA
171 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
175     oligonucleotide
177 <400> SEQUENCE: 12
178 gcatgtggaa ggtagggagg caaga                25
181 <210> SEQ ID NO: 13
182 <211> LENGTH: 25
183 <212> TYPE: DNA
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
188     oligonucleotide
190 <400> SEQUENCE: 13
191 accatatacc cagtgccttg tgcgg                25
194 <210> SEQ ID NO: 14
195 <211> LENGTH: 23
196 <212> TYPE: DNA
197 <213> ORGANISM: Artificial Sequence
199 <220> FEATURE:
200 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
201     oligonucleotide
203 <400> SEQUENCE: 14
204 gaagccccac ttgcggtcgt cat                23
207 <210> SEQ ID NO: 15

```

RAW SEQUENCE LISTING

DATE: 06/10/2003

PATENT APPLICATION: US/09/826,519

TIME: 07:41:49

Input Set : A:\52456-8017.US01.txt

Output Set: N:\CRF4\06102003\I826519.raw

```

208 <211> LENGTH: 25
209 <212> TYPE: DNA
210 <213> ORGANISM: Artificial Sequence
212 <220> FEATURE:
213 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
214     oligonucleotide
216 <400> SEQUENCE: 15
217 acgagcaaag gcatcatcca ctgtc                25
220 <210> SEQ ID NO: 16
221 <211> LENGTH: 25
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial Sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
227     oligonucleotide
229 <400> SEQUENCE: 16
230 gctttctctc ggtactggaa gacgt                25
233 <210> SEQ ID NO: 17
234 <211> LENGTH: 25
235 <212> TYPE: DNA
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
240     oligonucleotide
242 <400> SEQUENCE: 17
243 aacccatgaa gttgcctgag cactg                25
246 <210> SEQ ID NO: 18
247 <211> LENGTH: 25
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
253     oligonucleotide
255 <400> SEQUENCE: 18
256 tttcagggtg acgacctccc aagta                25
259 <210> SEQ ID NO: 19
260 <211> LENGTH: 25
261 <212> TYPE: DNA
262 <213> ORGANISM: Artificial Sequence
264 <220> FEATURE:
265 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
266     oligonucleotide
268 <400> SEQUENCE: 19
269 atctggtcgc ctcatttgc t caact                25
272 <210> SEQ ID NO: 20
273 <211> LENGTH: 25
274 <212> TYPE: DNA
275 <213> ORGANISM: Artificial Sequence
277 <220> FEATURE:

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/826,519

DATE: 06/10/2003

TIME: 07:41:49

Input Set : A:\52456-8017.US01.txt

Output Set: N:\CRF4\06102003\I826519.raw

```

278 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
279     oligonucleotide
281 <400> SEQUENCE: 20
282 tttcttcacg gttgcctact ggttc                25
285 <210> SEQ ID NO: 21
286 <211> LENGTH: 25
287 <212> TYPE: DNA
288 <213> ORGANISM: Artificial Sequence
290 <220> FEATURE:
291 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
292     oligonucleotide
294 <400> SEQUENCE: 21
295 tgatgaagag attcccatgc cgtcg                25
298 <210> SEQ ID NO: 22
299 <211> LENGTH: 25
300 <212> TYPE: DNA
301 <213> ORGANISM: Artificial Sequence
303 <220> FEATURE:
304 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
305     oligonucleotide
307 <400> SEQUENCE: 22
308 tgtagtcttt ccgaactgtg tgggc                25
311 <210> SEQ ID NO: 23
312 <211> LENGTH: 25
313 <212> TYPE: DNA
314 <213> ORGANISM: Artificial Sequence
316 <220> FEATURE:
317 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
318     oligonucleotide
320 <400> SEQUENCE: 23
321 ctgtgagcaa cagctgtcgt cgtct                25
324 <210> SEQ ID NO: 24
325 <211> LENGTH: 25
326 <212> TYPE: DNA
327 <213> ORGANISM: Artificial Sequence
329 <220> FEATURE:
330 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
331     oligonucleotide
333 <400> SEQUENCE: 24
334 ggcagtcatt agcagggtga tgggtg                25

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/826,519

DATE: 06/10/2003

TIME: 07:41:50

Input Set : A:\52456-8017.US01.txt

Output Set: N:\CRF4\06102003\I826519.raw